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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/964,804	09/28/2001	Lauge S. Sorensen	2207/12794	2876

23838 7590 10/14/2003

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WASHINGTON, DC 20005

EXAMINER

MOAZZAMI, NASSER G

ART UNIT	PAPER NUMBER
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2187

DATE MAILED: 10/14/2003

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Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

**Application No.**

09/964,804

**Applicant(s)**

SORENSEN, LAUGE S.

**Examiner**

Nasser G Moazzami

**Art Unit**

2187

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on 11 August 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☐ Claim(s) 2-8, 10-16 and 18-28 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) 2-8, 10-16 and 18-28 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

### Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Response to Amendment***

1. This office action is in response to applicant's amendment dated 08/11/2003 in response to office action mailed on 06/10/2003.
2. Claims 1-21 have been presented in this application for examination. Claims 1, 9, and 17 have been canceled and claims 22-28 have been added. Therefore, claims 2-8, 10-16, and 18-28 are pending in the application.

### ***Response to Arguments***

3. Applicant's arguments with respect to the rejected claims have been considered, but they are moot in view of the new ground(s) of rejection.

### ***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 2-8, 10-16, and 18-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wu et al., hereinafter Wu (U.S. Patent No. 6,370,620) in view of Cohen et al., hereinafter Cohen (U.S. Patent No. 6,389,462).

As for claims 6-8, 14-16, 18, 21-22, and 27-28, Wu discloses a method of responding to a URL request: receiving the URL request from a client computer ***[request for the web object from client (column 1, line 56)]***; determining a cache in a cache array that stores a URL corresponding to the URL request ***[to find a partition corresponding to the URL (column 1, lines 52-53)]***; and redirecting the URL request to the determined cache ***[request will be forwarded to the cache server associated with the assigned partition (column 1, lines 56-58)]***.

Wu discloses the claimed invention, but fails to specifically teach a network processor that is transparent to the client computer and perform the determining and redirecting steps.

Cohen discloses a computer network and a method for transparently intercepting client's request and redirecting the request to appropriate cache in order to maintain control over which one of the proxy cache the request is directed to and to reduce and minimize network's traffic ***[ISP transparently intercept a client's web request and send it to one of its proxy caches (column 1, lines 24-48); proxy redirector selects one of the caches to forward the client request (column 7, lines 43-45)]***.

Accordingly, it would have been obvious to one having ordinary skill in the art at the time of the current invention to employ proxy redirector as being taught by Cohen into Wu's caching's apparatus in order to reduce and minimize network's traffic by having control over sending the request to an appropriate cache in the cache array.

As for claims 2, 10, 19, and 23, Wu discloses that the cache array comprises a plurality of caches and provides for redirection among the plurality of caches ***[collections of shared caches (column 1, lines 31-32); redirecting the request to another web cache server (column 6, lines 8-10)]***.

As for claims 3-5, 11-13, 20, and 24-26, Wu discloses that the cache array is a cache array routing protocol based array ***[cache array routing protocol (column 1, line 40)]***.

### ***Conclusion***

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U.S. Patent No. 6,535,509 (Amicangioli)

U.S. Patent No. 6,481,621 (Herrendoerfer et al.)

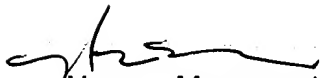
U.S. Patent No. 6,070,191 (Narendran et al.)

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nasser G Moazzami whose telephone number is (703) 305-0017. The examiner can normally be reached on 7:00AM-5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Donald Sparks can be reached on (703) 308-1756. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

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8. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 746-7240.

  
Nasser Moazzami  
10/08/2003